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ABSTRACT OF THE DISCLOSURE

A nonwoven fabric treated with an alkyl polyglycoside surfactant solution results in a heterogeneous system having antibacterial activity when in contact with an aqueous source of bacteria. The antibacterial activity imparted to the nonwoven fabric renders the nonwoven fabric useful in a wide variety of absorbent products, such as personal care products and medical absorbent products, which are typically exposed to aqueous sources of bacteria. Furthermore, the alkyl polyglycoside surfactant is virtually non-irritating and non-sensitizing to human skin.